

FIG.1

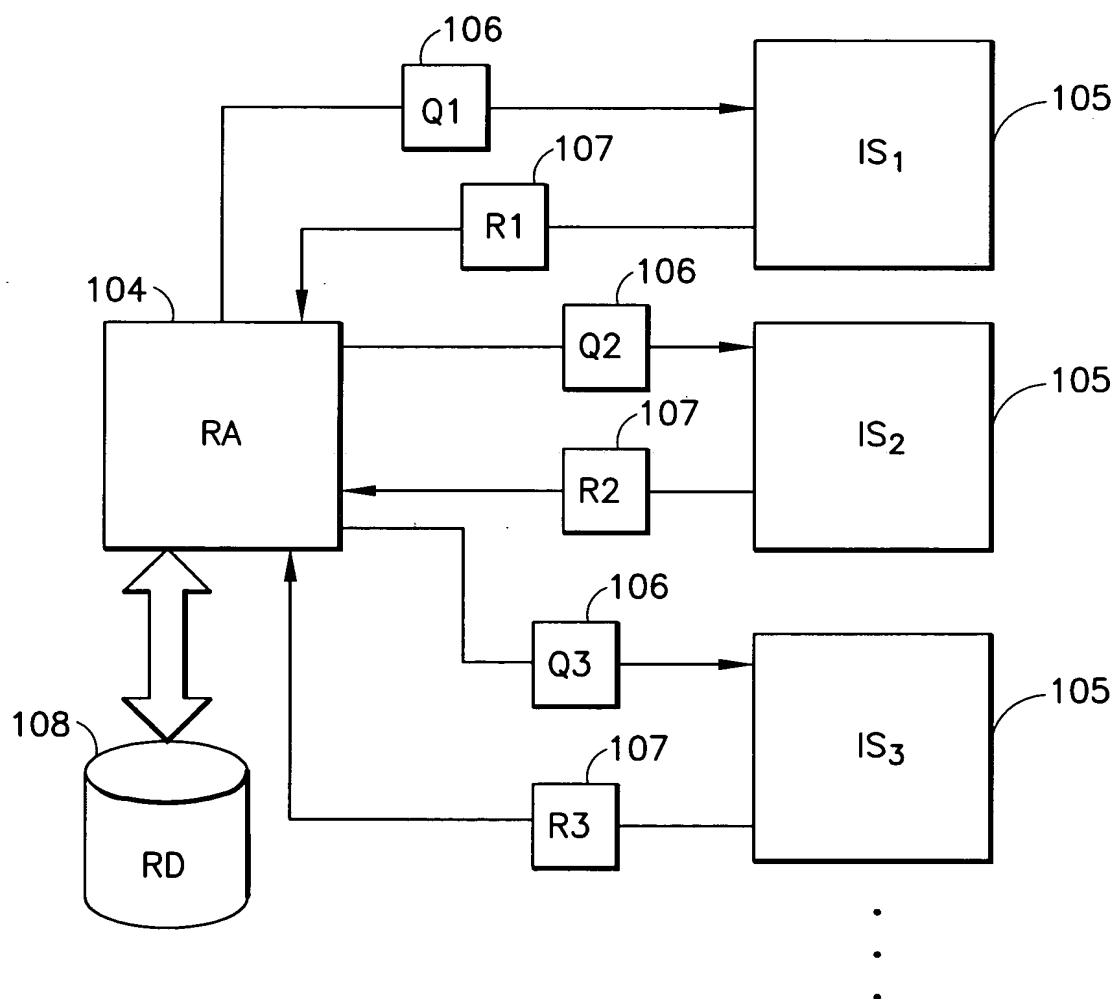


FIG.2

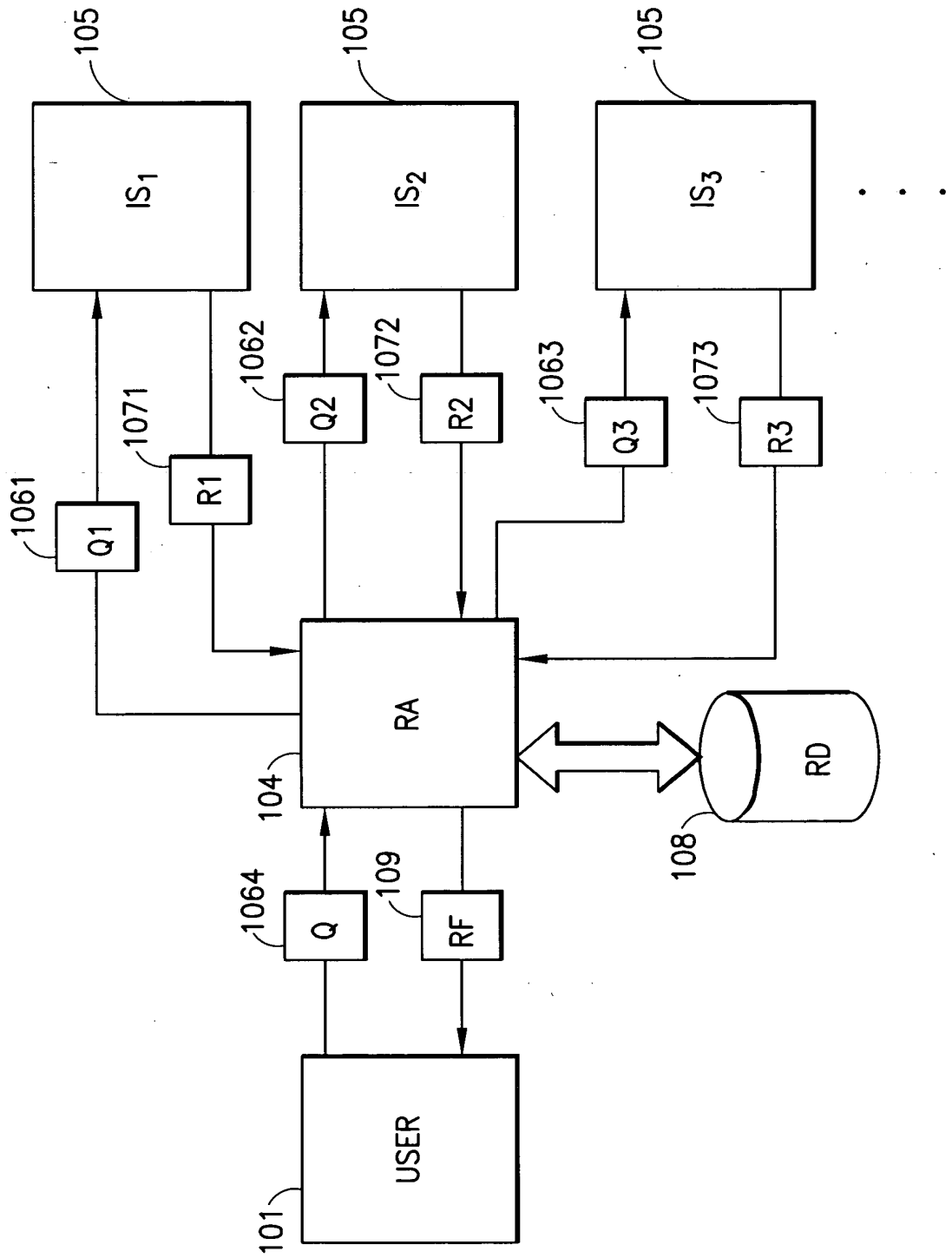


FIG.3

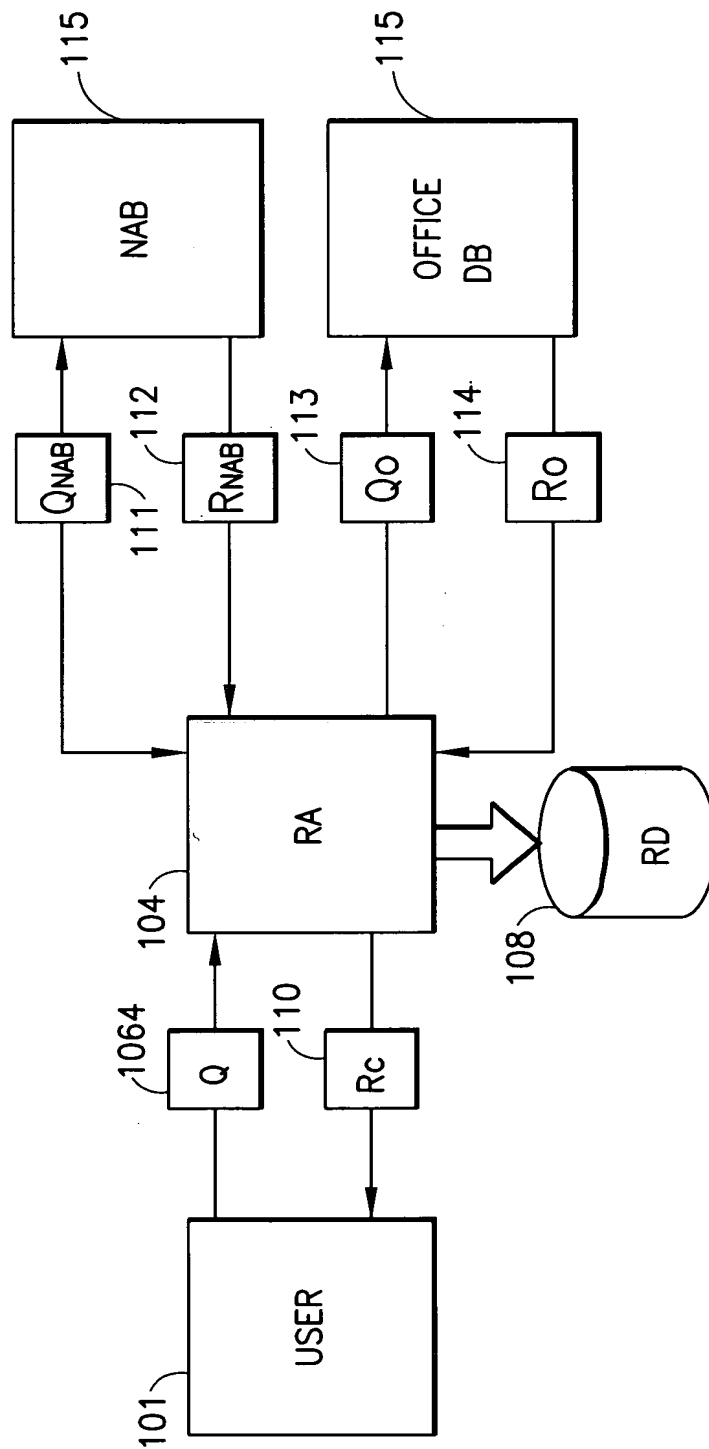


FIG. 4A



RNAB—Response from NAB		112
John Q Smith	John Q Smith/SalesDivision/XYZCorp	
John Q Smith	John Q Smith/MktgDivision/XYZCorp	
Ro—Response from Office DB		114
John Q Smith	Florida	
John Q Smith	New York	
Rc—Combined Response		110
John Q Smith	John Q Smith/SalesDivision/XYZCorp	
John Q Smith	John Q Smith/MktgDivision/XYZCorp	
	Florida	
	New York	

FIG.4B

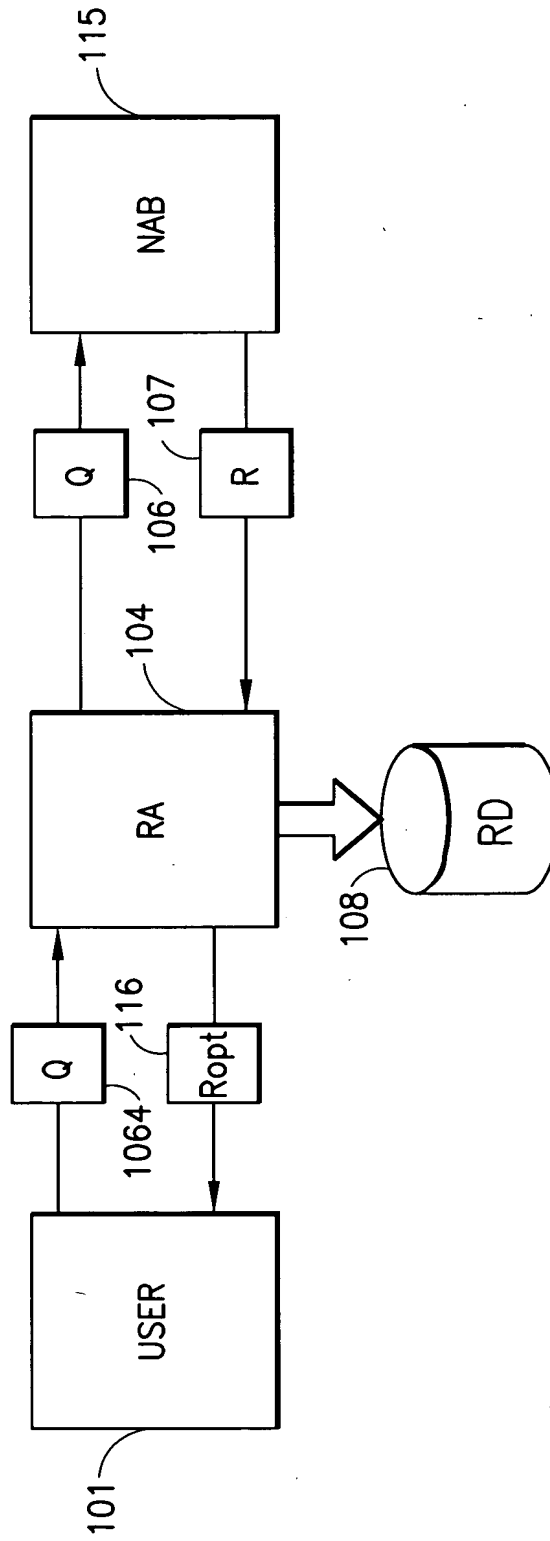


FIG. 5A



Query—on behalf of George A Jones/MktgDivision/XYZCorp

e-mail name for **John Smith?**

1064

Response

John Q Smith	John Q Smith/SalesDivision/XYZCorp
John Q Smith	John Q Smith/MktgDivision/XYZCorp

107

Relationship Data—for George A Jones/MktgDivision/XYZCorp

John Q Smith/SalesDivision/XYZCorp	10
John Q Smith/MktgDivision/XYZCorp	20

1081

1082

1080

Sorted Response

John Q Smith	John Q Smith/MktgDivision/XYZCorp
John Q Smith	John Q Smith/SalesDivision/XYZCorp

116

FIG.5B

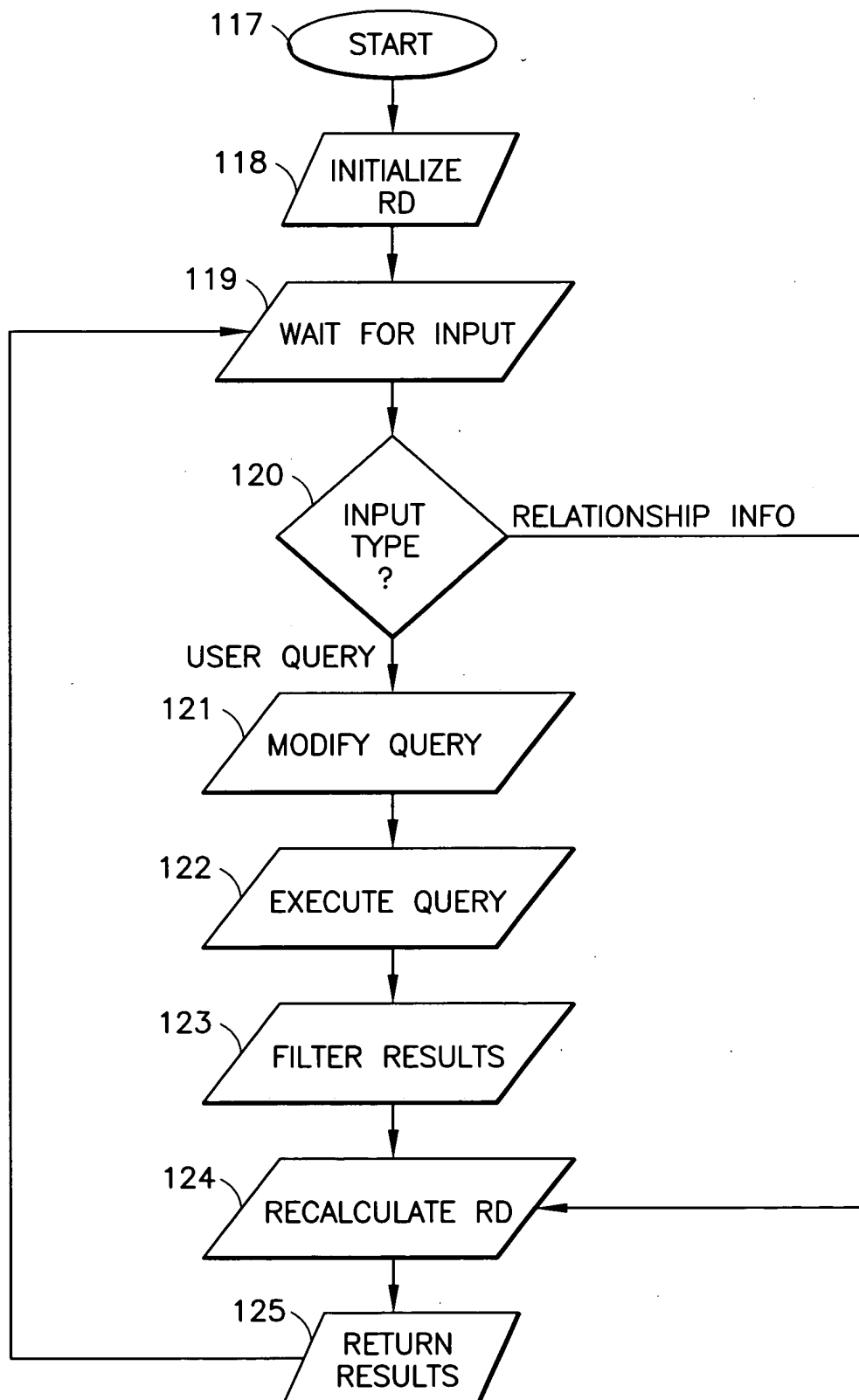
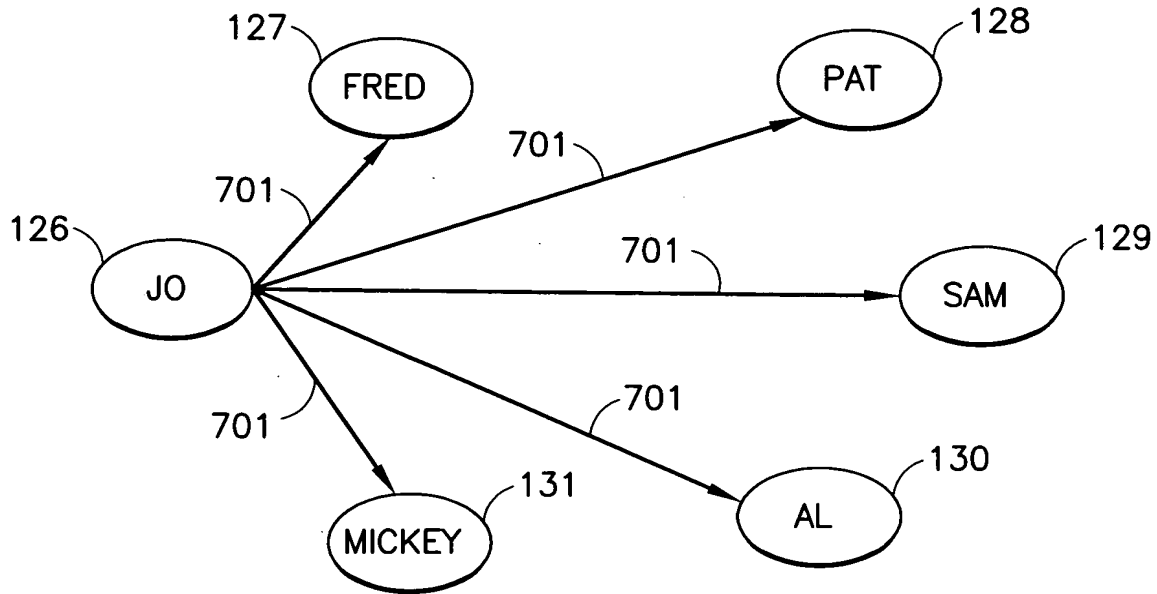


FIG.6



RELATIONSHIP VALUES FOR "JO" (700)

	<u>FRED</u>	<u>PAT</u>	<u>SAM</u>	<u>AL</u>	<u>MICKEY</u>
RI("ORG CHART")	0.8	0.5	0.5	0.1	0.0
RI("MAILING LIST")	0.7	0.6	0.2	0.0	0.5
RI("CALENDAR")	0.2	0.6	0.6	0.0	0.1

R("JO") (SUM)	1.7	1.7	1.3	0.1	0.6
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PREFERENCE RATINGS FOR INFORMATION SOURCES (702):

{P("ORG CHART")=0.2, P("MAILING LIST")=0.5, P("CALENDAR")=0.3}

WEIGHTED RELATIONSHIP VALUES (703)

RP("JO", (FRED...))	0.57	0.58	0.38	0.02	0.28
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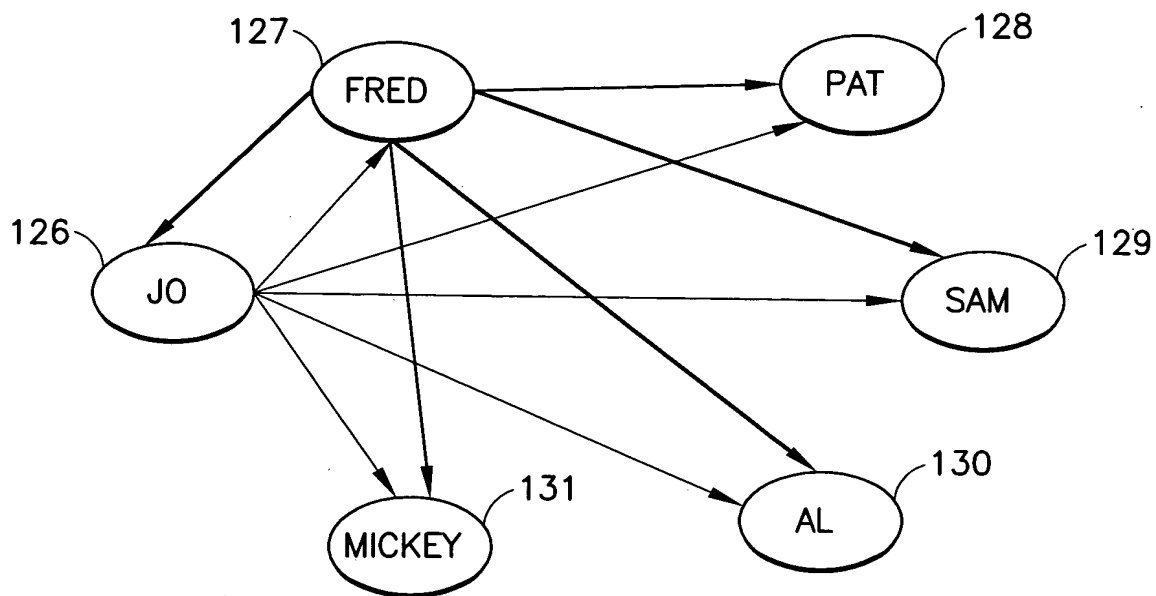
RELATION-GROUP CUTOFF (704)

RGcutoff = 0.35

RELATION-GROUPS FOR "JO" (705)

RG("JO")={FRED, PAT, SAM}

**FIG.7A**



WEIGHTED RELATIONSHIP VALUES FOR FRED (706)

	<u>PAT</u>	<u>SAM</u>	<u>AL</u>	<u>MICKEY</u>	<u>JO</u>
RP("FRED", Y)	0.4	0.6	0.2	0.8	0.6

DERIVED RELATION-GROUP CUTOFF (707)

DRGcutoff = 0.5

DERIVED RELATION-GROUP FOR JO (708)

DRG("JO")={FRED, PAT, SAM, **MICKEY**}

FIG.7B

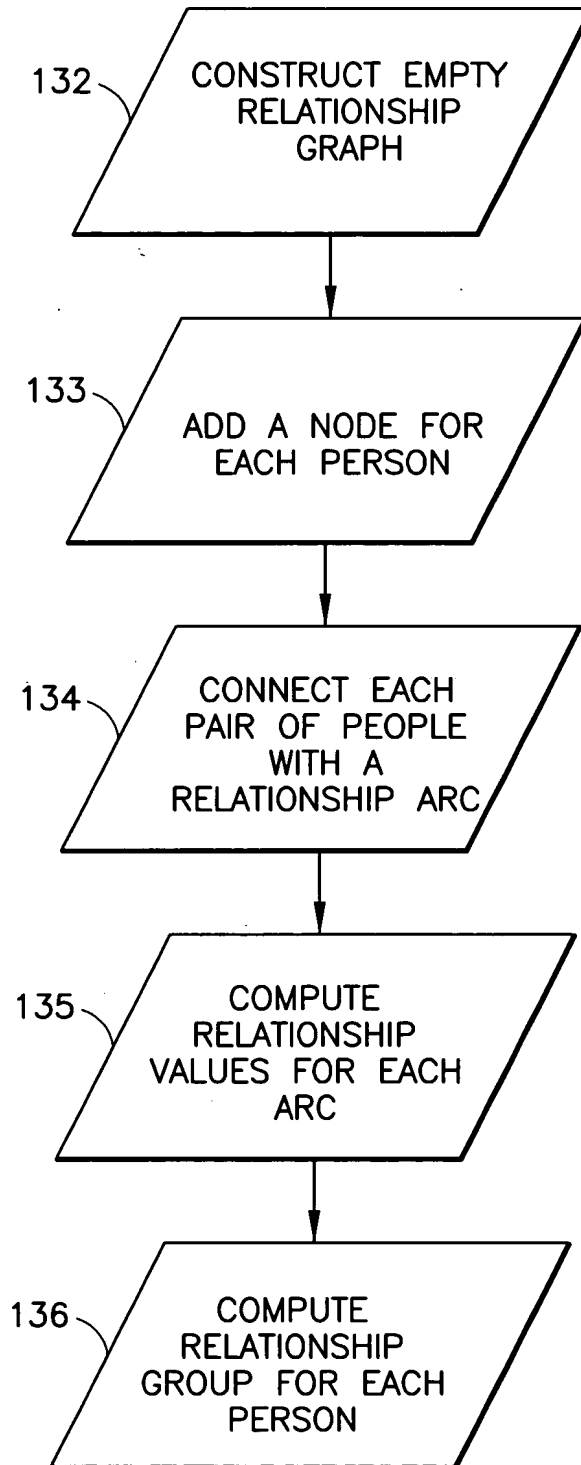


FIG.8

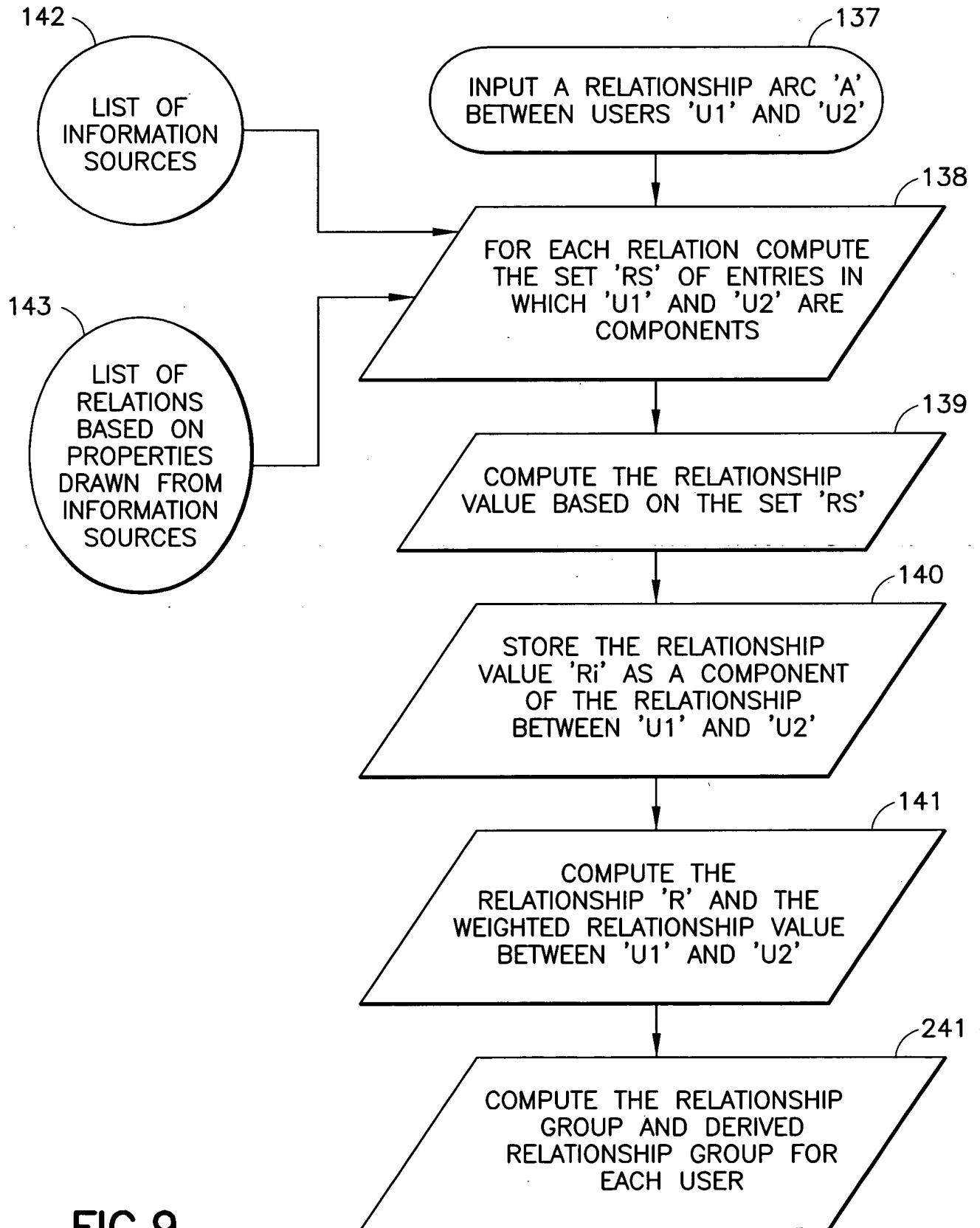


FIG.9

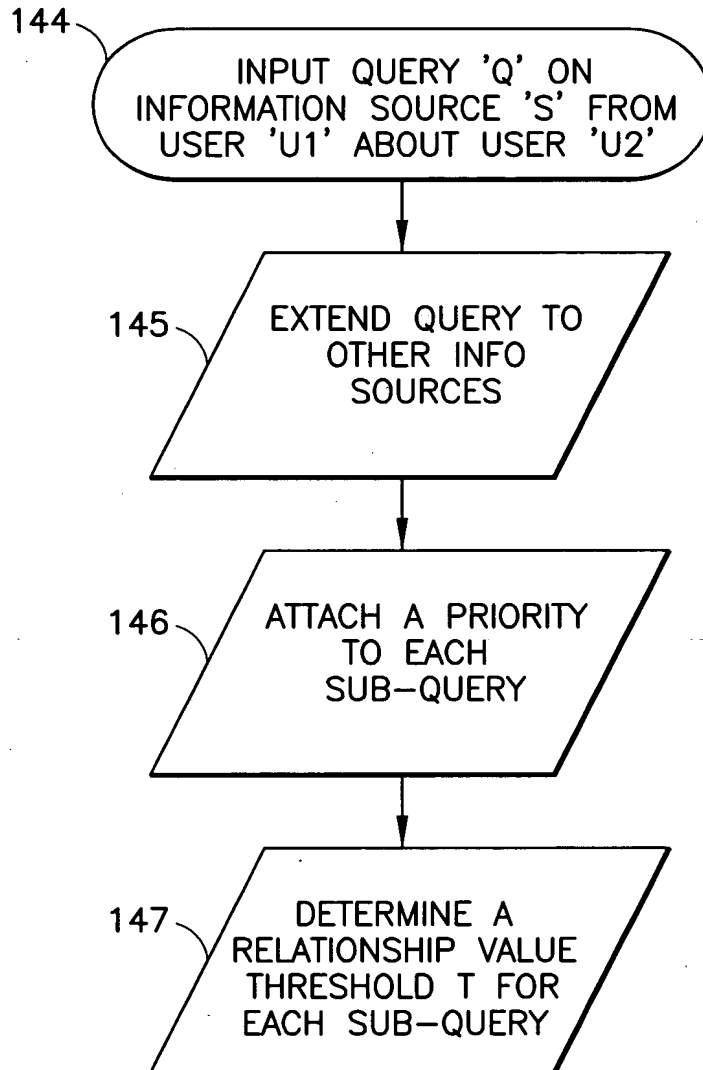


FIG.10

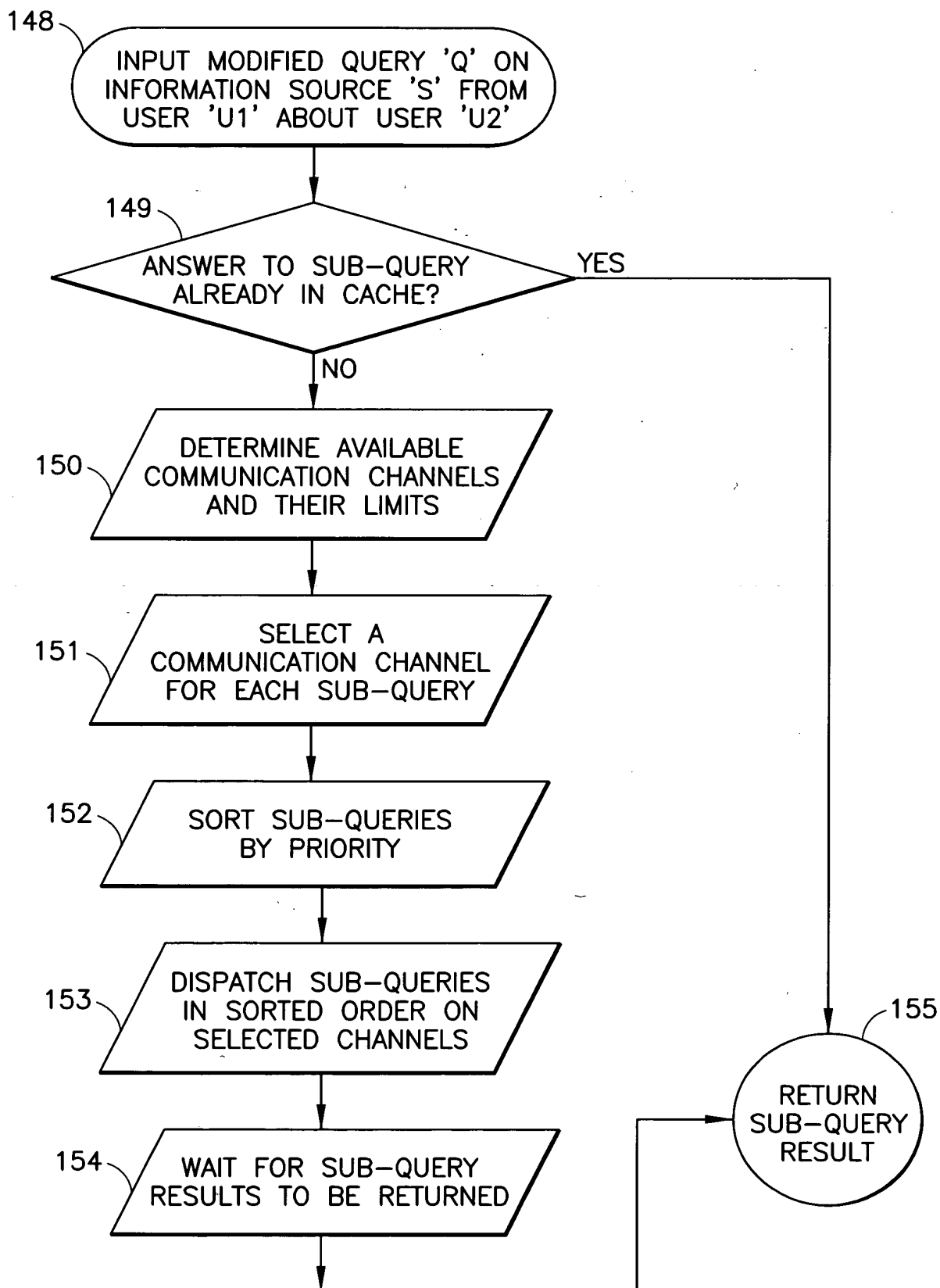


FIG.11

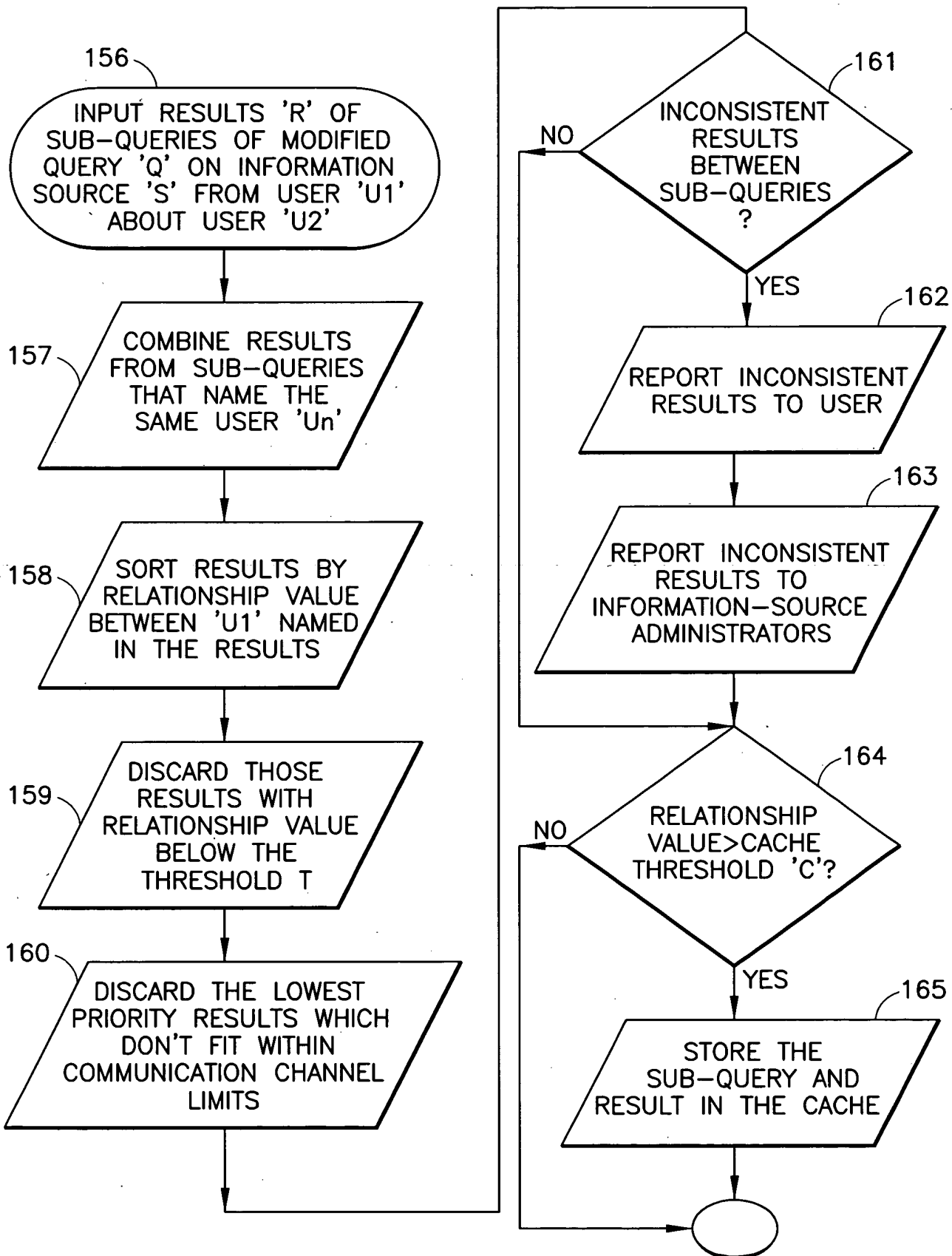


FIG.12